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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

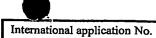
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 3950 PCT	FOR FURTHER ACTION See Form PCT/IPEA/416				
International application No.	International filing date (day/month/year) Priority date (day/month/year)				
PCT/SE2003/001768	14-11-2003	18-11-2002			
International Patent Classification (IPC) o	10 11 2002				
H01P 1/16					
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Applicant					
Saab AB et al					
	eliminary examination report, established by the ansmitted to the applicant according to Article				
2. This REPORT consists of a total	of 3 sheets, including this cover	er sheet.			
3. This report is also accompanied b	y ANNEXES, comprising:				
	and to the International Bureau) a total of	sheets, as follows:			
and/or sheets		we been amended and are the basis of this report uthority (see Rule 70.16 and Section 607 of the			
		ority considers contain an amendment that goes			
beyond the di Supplemental		ed, as indicated in item 4 of Box No. I and the			
b (sent to the Internation	onal Bureau only) a total of (indicate type and	· · · · · · · · · · · · · · · · · · ·			
readable form only, a Administrative Instru	s indicated in the Supplemental Box Relating	g and/or tables related thereto, in computer to Sequence Listing (see Section 802 of the			
4. This report contains indications re	elating to the following items:	·			
	f the report				
Box No. II Priority	,				
Box No. III Non-es	tablishment of opinion with regard to novelty	inventive step and industrial applicability			
Box No. IV Lack of	funity of invention				
	documents cited				
Box No. VII Certain					
Box No. VIII Certain	observations on the international application				
Date of submission of the demand	Date of completio	n of this report			
17-06-2004	07-02-200	07-02-2005			
Name and mailing address of the IPEA/S	E Authorized officer				
Patent- och registreringsverket Box 5055					
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Form PCT/IPEA/409 (cover sheet) (January 2004)



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY



PCT/SE2003/001768

БОХ	No. I	D:	asis of the report	
1.	With	regard to	o the language, this report is based on the international application in the languated under this item.	nage in which it was filed, unless
		This rewhich i	port is based on a translation from the original language into the following languag s the language of a translation furnished for the purposes of:	ge,
			international search (under Rules 12.3 and 23.1(b))	
			publication of the international application (under Rule 12.4)	
			international preliminary examination (under Rules 55.2 and/or 55.3)	
2.	jurnusi	ieu io ii	o the elements of the international application, this report is based on (replace receiving Office in response to an invitation under Article 14 are referred to in nexed to this report):	ncement sheets which have been n this report as "originally filed"
	\boxtimes	the int	ernational application as originally filed/furnished	
		the des	scription:	
		pages		as originally filed/furnished
		pages*	received by this relationity on	
		pages*	received by this Authority on	
		the cla	ims:	
		pages	-	as originally filed/furnished
		pages*	as afficiated (together with	any statement) under Article 19
		pages*	received by this reducinity on	
		pages*	received by this Authority on	
		the dra	wings:	
		pages		as originally filed/furnished
		pages*	received by this Additionty on	
		pages*	received by this Authority on	
		a seque	ence listing and/or any related table(s) - see Supplemental Box Relating to Sequen	ce Listing.
3.		The am	nendments have resulted in the cancellation of:	
			the description, pages	
		Ц	the claims, Nos.	
		Ш	the drawings, sheets/figs	
			the sequence listing (specify):	· · · · · · · · · · · · · · · · · · ·
			any table(s) related to the sequence listing (specify):	
4.		This remade, s	port has been established as if (some of) the amendments annexed to this reporting they have been considered to go beyond the disclosure as filed as indicated	t and listed below had not been
			the description, pages	1
			the claims, Nos.	
			the drawings, sheets/figs	-
		\Box	the sequence listing (specific):	
		\Box	the sequence listing (specify): any table(s) related to the sequence listing (specify):	
		—— <u>—</u>		
			s, some or all of those sheets may be marked "superseded."	



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001768

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N) Claims YES 1-16 Claims NO Inventive step (IS) Claims YES 1-16 Claims NO Industrial applicability (IA) Claims YES 1-16 Claims NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: EP 0 330 539 A1

D2: GB 468 548 A

D3: IEEE MTT-S Digest, 1998, Vol. 1, p. 249-252

D4: US 4 999 591 A1

D5: IEEE Trans. on Microwave Theory and Techniques, 1997, Vol.

4, p. 552-554

D6: Int. J. Electronics, 1984, Vol. 57, No. 6, p. 1219-1224

The cited documents represent the general state of the art. The invention defined in claims 1-16 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method for conversion of waveguide modes and mode converter. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-16 is novel and is considered to involve an inventive step. The invention is industrially applicable.